

CLAIMS

What is claimed is:

1. A framework for real-time media applications on an applications processor in communication with an algorithm processor, comprising:
 - (a) a plurality of plugins for a real-time media application on an applications processor;
 - (b) a plurality of algorithm components on an algorithm processor, each of said plugins corresponding to one or more algorithm component(s), and said algorithm processor in communication with said applications processor;
 - (c) a component scheduler on said algorithm processor;
 - (d) wherein said scheduler provides quality of service for said application with regard to said components by: (i) component scheduling in response to controls from said plugins relating to execution of said components and (ii) notification of events related to execution of said components sent to said plugins.
2. The framework of claim 1, wherein:
 - (a) said controls include a set of data rate for one of said components.
3. The framework of claim 1, wherein:
 - (a) said events include notice of failure of meeting a presentation time for one of said components.
4. The framework of claim 1, further comprising:
 - (a) an applications processor scheduler to determine deadlines for a media stream that can be scheduled on said algorithm processor, and wherein

said scheduler on said algorithm processor schedules a frame at a time of said media stream.

5. The framework of claim 1, further comprising:

(a) a plurality of second algorithm components on a second algorithm processor, with said second algorithm processor in communication with said applications processor and said algorithm processor and said plugins also relate to said second algorithm components.